

IN THE CLAIMS:

1. (Currently Amended) A device for vibration damping and/or controlling the flexion of an object in machining, wherein the object is a tool, tool holder or workpiece, and wherein the device comprising; comprises

at least one force exchange device external of a surface of the object and wherein said force exchange device is attached to a locator sleeve surrounding the object, the locator sleeve is movable along a surface of the object, and wherein the at least one force exchange device is operative to either

exchanging a force having a force component directed at right angle to the surface of the object, or

exchanging directly or via a mechanical lever, a moment between the object and the device.

2. (Previously Presented) The device according to claim 1, wherein the device further comprising a force transmission device surrounding the object.

3. (Currently Amended) The device according to claim 2 [[1]], wherein the force exchange device is disposed between a clamp for the object and the force transmission device, and is fixed to or recessed in the clamp.

4. (Currently Amended) The device according to claim 2 [[1]], wherein the force exchange device is disposed between the force transmission device and the locator sleeve.

5. - 7 (Cancelled)

8. (Previously Presented) The device according to claim 2, wherein the force exchange device is configured to provide a force having a force component at right angles to the force transmission device while also parallel to the surface of the object.

9. (Previously Presented) The device according to claim 2, wherein the force transmission device is positioned between said force exchange device and the object.
10. (Previously Presented) The device according to claim 9, wherein the force transmission device and said force exchange device are positioned in the locator sleeve.
11. (Previously Presented) The device according to claim 1, wherein the at least one force exchange device exchanges a moment provided by a connector part for the object for fixing the object to a clamp for the object.
12. (Previously Presented) The device according to claim 11, wherein said force exchange device is positioned in the clamp for the object.
13. (Cancelled)
14. (Previously Presented) The device according to claim 1, wherein said at least one force exchange device is at least one actuator.
15. (Previously Presented) The device according to claim 14, wherein it comprises a control unit for regulating input to the at least one actuator.
16. (Previously Presented) The device according to claim 15, further comprising a sensor to be disposed on or in the object for detecting vibrations in and/or the flexion of the object, said control unit receiving signals from the sensor for regulating the input based on said signals.
17. (Previously Presented) The device according to claim 16, wherein the sensor is an accelerometer.

18. (Previously Presented) The device according to claim 14, wherein the actuator is a shaker, a pneumatic and hydraulic actuator, a piezoelectric force actuator or any other force, pressure or torsion actuator.

19. (Previously Presented) The device according to claim 14, wherein the actuators are adapted to be passively controlled, said actuators being pneumatic dampers or shunted actuators and/or actively using a damping algorithm.

20. (Previously Presented) The device according to claim 1, wherein the device is modular and permits use of different dimensions and geometrical configurations of the object.

21. (Previously Presented) The device according to claim 1, wherein said at least one force exchange device is at least one force applying device for applying said force and/or for applying said moment to the object .

22. (Previously Presented) The device according to claim 1, wherein said at least one force exchange device is at least one damping device for absorbing vibrations from the object, said damping device being adapted to absorb said force component and/or absorb said moment from the object.